

In The Claims

Please restore claims 1-12 as originally filed in this case. The pending claims are reproduced as follows:

1 1. (original) A method for connecting a wireless handset to a wireline
2 switch in an integrated wireline/wireless telecommunications network having a plural-
3 ity of access controllers and wireline switches, each of the access controllers being
4 coupled to at least one of the wireline switches, the method comprising:
5 receiving identification of a subscriber in response to a call attempt;
6 determining a preferred connection between the wireless handset and
7 one of the plurality of wireline switches based on predetermined data associated with
8 the subscriber; and
9 connecting the wireless handset to one of the plurality of wireline
10 switches based on the preferred connection so as to complete the call attempt.

1 2. (original) The method as recited in claim 1 wherein each of the
2 access controllers includes a plurality of physical ports for terminating connections
3 between the access controller and associated wireline switches and wherein deter-
4 mining the preferred connection includes determining a preferred wireline switch
5 from the plurality of wireline switches and a connection port from the plurality of
6 physical ports based on the predetermined data.

1 3. (original) The method as recited in claim 2 wherein determining
2 the preferred wireline switch comprises:
3 receiving the identification of the subscriber from one of the wireline
4 switches in response to a call delivery attempt to the wireless handset; and
5 determining a home wireline switch associated with the wireless
6 handset from the plurality of wireline switches based on the predetermined data.

1 4. (original) The method as recited in claim 2 wherein determining
2 the preferred wireline switch comprises:

3 receiving the identification of the subscriber from one of the access
4 controllers in response to a call origination attempt by the wireless handset; and
5 determining at least one wireline switch from a subset of the plurality
6 of wireline switches based on predetermined communications traffic data, the subset
7 corresponding to the wireline switches actually coupled to the one of the access
8 controllers.

1 5. (original) The method as recited in claim 2 wherein determining
2 the connection port includes determining a plurality of preferred ports from the
3 plurality of physical ports based on the predetermined data, the plurality of preferred
4 ports being a subset of the plurality of physical ports and having common line-side
5 features associated therewith.

1 6. (original) The method as recited in claim 5 wherein each of the
2 physical ports have one of a busy status and an idle status and wherein determining
3 the connection port from the plurality of preferred ports includes determining the
4 status of each of the plurality of preferred ports.

1 7. (original) A system for connecting a wireless handset to a wireline
2 switch in an integrated wireline/wireless telecommunications network having a plural-
3 ity of access controllers and wireline switches, each of the access controllers being
4 coupled to at least one of the wireline switches, the system comprising:

5 a wireless service processor operative to receive identification of a
6 subscriber in response to a call attempt and determine a preferred connection between
7 the wireless handset and one of the plurality of wireline switches based on
8 predetermined data associated with the subscriber; and

9 the access controller for connecting the wireless handset to one of the
10 plurality of wireline switches based on the preferred connection so as to complete the
11 call attempt.

1 8. (original) The system as recited in claim 7 wherein each of the
2 access controllers includes a plurality of physical ports for terminating connections
3 between the access controller and associated wireline switches and wherein the
4 wireless service processor, in determining the preferred connection, is further
5 operative to determine a preferred wireline switch from the plurality of wireline
6 switches and a connection port from the plurality of physical ports based on the
7 predetermined data.

1 9. (original) The system as recited in claim 8 wherein the wireless
2 service processor, in determining the preferred wireline switch, is further operative
3 to receive the identification of the subscriber from one of the wireline switches in
4 response to a call delivery attempt to the wireless handset and determine a home
5 wireline switch associated with the wireless handset from the plurality of wireline
6 switches based on the predetermined data.

1 10. (original) The system as recited in claim 8 wherein the wireless
2 service processor, in determining the preferred wireline switch, is further operative
3 to receive the identification of the subscriber from one of the access controllers in
4 response to a call origination attempt by the wireless handset and determine at least
5 one wireline switch from a subset of the plurality of wireline switches based on
6 predetermined communications traffic data, the subset corresponding to the wireline
7 switches actually coupled to the one of the access controllers.

1 11. (original) The system as recited in claim 8 wherein the wireless
2 service processor, in determining the connection port, is further operative to
3 determine a plurality of preferred ports from the plurality of physical ports based on
4 the predetermined data, the plurality of preferred ports being a subset of the plurality
5 of physical ports and having common line-side features associated therewith.

1 12. (original) The system as recited in claim 11 wherein each of the
2 physical ports have one of a busy status and an idle status and wherein the access con-

3 troller, in connecting the wireless handset to one of the plurality of wireline switches,
4 is further operative to determine the status of each of the plurality of preferred ports.

1 13. (previously presented) A system for connecting a subscriber
2 wireless handset to one of a plurality of wireline switches in an integrated
3 wireline/wireless telecommunications network, the system comprising:

4 a wireless service location register identifying the subscriber with one
5 of the wireline switches and identifying the subscriber with a feature group
6 representing features subscribed to by the subscriber;

7 at least one access controller in communication with the wireless
8 handset and with at least one wireline switch, each access controller operative to
9 switch a call between the handset and one wireline switch based on the handset
10 subscriber feature group; and

11 an access manager in communication with the wireless service location
12 register and each access controller, the access manager selecting an idle port on the
13 access controller switching the call.

1 14. (previously presented) A system for connecting a subscriber
2 wireless handset to one of a plurality of wireline switches in an integrated
3 wireline/wireless telecommunications network as in claim 13 wherein the access
4 manager maintains a busy/idle status of all ports within each feature group.

1 15. (previously presented) A system for connecting a subscriber
2 wireless handset to one of a plurality of wireline switches in an integrated
3 wireline/wireless telecommunications network as in claim 13 wherein the wireless
4 service location register is further operative to receive the identification of the
5 subscriber from one of the wireline switches in response to a call delivery attempt to
6 the wireless handset and to determine a home wireline switch associated with the
7 wireless handset from the plurality of wireline switches.

1 16. (previously presented) A system for connecting a subscriber
2 wireless handset to one of a plurality of wireline switches in an integrated
3 wireline/wireless telecommunications network as in claim 13 wherein the wireless
4 service location register is further operative to receive the identification of the
5 subscriber from one of the access controllers in response to a call origination attempt
6 by the wireless handset and to determine at least one wireline switch from a subset
7 of the plurality of wireline switches, the subset corresponding to the wireline switches
8 coupled to the one of the access controllers.

1 17. (previously presented) A system for connecting a subscriber
2 wireless handset to one of a plurality of wireline switches in an integrated
3 wireline/wireless telecommunications network as in claim 13 wherein the access
4 manager is further operative to determine at least one preferred port as a subset of
5 ports supporting common line-side features.

1 18. (previously presented) A system for connecting a subscriber
2 wireless handset to one of a plurality of wireline switches in an integrated
3 wireline/wireless telecommunications network as in claim 17 wherein each port has
4 one of a busy status and an idle status and wherein the access controller, in
5 connecting the wireless handset to one of the plurality of wireline switches, is further
6 operative to determine the status of each of the plurality of preferred ports.

1 19. (previously presented) A method for connecting a subscriber
2 wireless handset to one of a plurality of wireline switches comprising:
3 receiving a subscriber identification in response to a call attempt;
4 associating the subscriber with one of a plurality of feature groups,
5 each feature group representing features subscribed to by the subscriber, the
6 association based on the subscriber identification;
7 determining one of the plurality of switches based on the subscriber
8 identification; and

9 connecting the call between the handset and one of the wireline
10 switches based on the associated subscriber feature group.

1 20. (previously presented) A method for connecting a subscriber
2 wireless handset to one of a plurality of wireline switches as in claim 19 wherein
3 associating the subscriber with one of the feature groups comprises associating in a
4 wireless service location register.

1 21. (previously presented) A method for connecting a subscriber
2 wireless handset to one of a plurality of wireline switches as in claim 19 wherein
3 receiving the subscriber identification comprises receiving the subscriber
4 identification from an access controller in communication with the wireless handset
5 in response to a call origination attempt by the wireless handset.

1 22. (previously presented) A method for connecting a subscriber
2 wireless handset to one of a plurality of wireline switches as in claim 19 wherein
3 receiving the subscriber identification comprises receiving the subscriber
4 identification from one of the wireline switches in response to a call delivery attempt
5 to the wireless handset.

1 23. (previously presented) A method for connecting a subscriber
2 wireless handset to one of a plurality of wireline switches as in claim 19 further
3 comprising selecting a switch idle port on an access controller switching the call, the
4 access controller in communication with the wireless handset and the wireline
5 switches.

1 24. (previously presented) A method for connecting a subscriber
2 wireless handset to one of a plurality of wireline switches as in claim 19 wherein
3 switch ports in an access controller interconnecting the wireless handset and at least
4 one of the wireline switches are grouped based on feature groups supported by the
5 switch ports.

1 25. (previously presented) A method for connecting a subscriber
2 wireless handset to one of a plurality of wireline switches as in claim 24 wherein one
3 switch port is selected based on the real time busy/idle status of the switch ports.

1 26. (previously presented) A method for connecting a subscriber
2 wireless handset to one of a plurality of wireline switches in an integrated
3 wireline/wireless telecommunications network, the method comprising:
4 identifying, in a wireless service location register, the subscriber with
5 one of the wireline switches;
6 identifying, in the wireless service location register, the subscriber
7 with a feature group representing features subscribed to by the subscriber; and
8 switching a call between the handset and the identified wireline switch
9 in an access controller in communication with the wireless handset and the identified
10 wireline switch, the switching based on the identified subscriber feature group.

1 27. (previously presented) A method for connecting a subscriber
2 wireless handset to one of a plurality of wireline switches in an integrated
3 wireline/wireless telecommunications network as in claim 26 further comprising
4 selecting an idle port in the access controller for switching the call, the selecting done
5 by an access manager in communication with the wireless service location register
6 and the access controller.

1 28. (previously presented) A method for connecting a subscriber
2 wireless handset to one of a plurality of wireline switches in an integrated
3 wireline/wireless telecommunications network as in claim 26 wherein identifying the
4 subscriber feature group is based on a subscriber identification received from the
5 access controller in response to a call origination attempt by the wireless handset.

1 29. (previously presented) A method for connecting a subscriber
2 wireless handset to one of a plurality of wireline switches in an integrated

3 wireline/wireless telecommunications network as in claim 26 wherein identifying the
4 subscriber feature group is based on a subscriber identification received from one of
5 the wireline switches in response to a call delivery attempt to the wireless handset.